



Recent Advances in Computational Heat Transfer and Its Applications

Guest Editor:

Dr. Gholamreza Kefayati

School of Engineering, University
of Tasmania, Hobart Tasmania,
TAS 7001, Australia

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Message from the Guest Editor

Dear Colleagues,

We propose a Special Issue entitled "Recent Advances in Computational Heat Transfer and Its Applications" for inclusion in *Energies*. This Special Issue aims to showcase cutting-edge research and developments in computational methods applied to the field of heat transfer.

The integration of advanced computational techniques has revolutionized the study of heat transfer phenomena, enabling researchers to explore complex thermal processes with unprecedented accuracy and efficiency. This Special Issue will cover a broad spectrum of topics, including but not limited to:

- Novel numerical methods for simulating heat transfer in complex geometries.
- Advances in modelling and simulation of transient heat transfer phenomena.
- Application of machine learning and artificial intelligence in enhancing computational heat transfer analyses.
- Multiscale and multiphysics simulations for a comprehensive understanding of heat transfer processes.
- Case studies and applications of computational heat transfer in energy systems, such as renewable energy, thermal energy storage, and heat exchangers.





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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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